| Inde. | x of $C$ | Claims |  |
|-------|----------|--------|--|
|       |          |        |  |

| Applica | ation/Co | ntrol | No. |
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|         |          |       |     |

Applicant(s)/Patent under Reexamination

10/772,943 Examiner

ARAT ET AL. Art Unit

Minh N. Tang

2829

|           | <b>√</b> . | Rejected |
|-----------|------------|----------|
| = Allowed |            | -        |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ļ | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

|          | aim      |          |          |   | •  | Dat:   | •  |  |  | _  |  | Clo   | aim      |          |  |              | _ '  | ) at   | _  |  |              |          |
|----------|----------|----------|----------|---|--|--|--|--|--|--|--|-------|----------|----------|--|--------------|--|--|--|--|--------------|----------|
| Final    | Original | 3/30/05  |          |   |  |  |  |  |  |  |  | Final | Original |          |  |              |  |  |  |  |              |          |
|          | 1        | √        |          |   |  |  |  |  |  |  |  |       | 51       |          |  |              |  |  |  |  |              | Г        |
|          | 2        | <b>V</b> |          |   |  |  |  |  |  |  |  |       | 52       |          |  |              |  |  |  |  |              |          |
|          | 3        | 1        |          |   |  |  |  |  |  |  |  |       | 53       |          |  |              |  |  |  |  |              |          |
|          | 4        | 1        |          |   |  |  | _  |  |  |  |  |       | 54       |          |  |              |  |  |  | _  |              | _        |
|          | 5        | 1        |          |   | <u> </u>   |  |  |  |  |  |  |       | 55       |          |  |              |  |  | _  | _  |              | L        |
|          | 6        | <b>√</b> |          |   | _  |  | _  |  |  |  |  |       | 56       | Ш        |  |              |  |  | L  | L  |              | L        |
|          | 7        | √        |          |   | <u></u>  |  | <u> </u>   |  | _  |  |  |       | 57       |          |  |              |  |  | <u> </u>   | _  | _            | L        |
|          | 8        | <b>√</b> |          |   | _  |  | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   |  |       | 58       | H        |  |              |  |  | <u> </u>   | <u> </u>   | ⊢            | <u> </u> |
|          | 9        | √<br>,   |          |   |  |  | <u> </u>   |  |  |  |  |       | 59       | _        |  |              | _  |  | ⊢  | ⊢  | $\vdash$     | ┝        |
|          | 10       | √        |          | _ | <u> </u>   |  | -  | -  | <u> </u>   | _  |  |       | 60       | -        |  |              | -  | <u> </u>   | _  | ⊢  | $\vdash$     | ⊢        |
|          | 11       | 0        |          |   |  |  | -  |  | H  |  |  |       | 61       |          | _  |              |  |  | H  | ⊢  |              | ⊢        |
|          | 12<br>13 | 0        | _        | _ | -  |  |  |  |  |  |  |       | 62<br>63 | -        |  | -            |  | H  | H  | ⊢  | ⊢            | ⊢        |
|          | 14       | 0        | _        |   |  | <u> </u>   | -  |  | -  |  |  |       | 64       | -        | -  |              |  | $\vdash$   | ⊢  | ⊢  | $\vdash$     | ⊢        |
|          | 15       | 0        | -        | - | -  | -  | -  |  |  |  |  |       | 65       |          | _  |              |  | $\vdash$   | ⊢  | ⊢  | $\vdash$     | ╁╌       |
|          | 16       | V<br>√   |          |   | ├  |  | ├  |  | $\vdash$   |  |  |       | 66       | -        | -  |              |  |  |  | ┢  | <del> </del> | ╁        |
|          | 17       | V        | $\neg$   |   |  |  | ┢  |  | $\vdash$   | -  |  |       | 67       | $\vdash$ |  |              |  | $\vdash$   | -  | -  | $\vdash$     | t        |
|          | 18       | V        | -        |   | <del> </del>                                     |  | $\vdash$   | -  | ├-   | $\vdash$   |  |       | 68       | $\Box$   |  |              | -  |  | -  |  | Ι-           | H        |
|          | 19       | V        | _        |   | $\vdash$   | $\vdash$   | $\vdash$   |  | ╁  | ┢─   |  |       | 69       | Н        |  |              | ┢  | $\vdash$   | -  | -  |              | H        |
|          | 20       | V        |          | _ | ┢  | -  | $\vdash$   |  |  |  |  |       | 70       |          |  |              | <u> </u>   | -  | $\vdash$   | ┢  | _            | H        |
|          | 21       | V        |          |   | -  | _  | -  |  |  |  |  |       | 71       |          |  |              | $\vdash$   |  | $\vdash$   | _  | Т            | t        |
|          | 22       | V        |          |   |  | $\vdash$   | <del>                                     </del> | _  | <del>                                     </del> |  |  |       | 72       | H        | _  |              |  |  | T  | 一  |              | T        |
|          | 23       | 7        | _        |   | $\vdash$   |  | $\vdash$   | _  | ┢  |  |  |       | 73       | П        |  |              |  | <u> </u>   |  |  |              | T        |
|          | 24       | V        |          |   | -  | <u> </u>   | T  |  | $\vdash$   | _  |  |       | 74       |          |  |              |  |  |  | _  |              | T        |
|          | 25       | 1        |          |   | _  |  |  |  |  |  |  |       | 75       |          |  |              |  |  | T  | _  |              | Г        |
|          | 26       | 1        |          |   |  |  | <b>!</b>   |  |  |  |  |       | 76       |          |  |              |  |  | _  | _  |              | Г        |
|          | 27       | 0        |          |   | _  |  |  |  |  |  |  |       | 77       |          |  |              |  |  |  |  |              | Г        |
|          | 28       | 0        |          |   |  |  |  |  |  |  |  |       | 78       |          |  |              |  |  | Π  |  |              |          |
|          | 29       | 0        |          |   |  |  |  |  |  |  |  |       | 79       |          |  |              |  |  | Г  |  |              |          |
|          | 30       | 0        |          |   |  |  |  |  |  |  |  |       | 80       |          |  |              |  |  |  |  |              |          |
|          | 31       | 1        |          |   |  |  |  |  |  |  |  |       | 81       |          |  |              |  |  |  |  |              | L        |
|          | 32       | 1        |          |   |  |  |  |  |  |  |  |       | 82       |          |  |              |  |  | L  |  | <u>L</u> .   | L        |
|          | 33       |          |          |   |  |  |  |  |  |  |  |       | 83       |          |  |              |  | _  | _  |  | <u> </u>     | L        |
|          | 34       |          |          |   |  |  | _  |  |  |  |  |       | 84       |          |  |              | _  | _  |  | _  | _            | ┞        |
|          | 35       | Щ        |          |   |  |  |  |  | <u> </u>   | <u> </u>   |  |       | 85       |          | _  |              | <u> </u>   | _  | _  |  |              | L        |
|          | 36       |          | _        |   | _  |  | _  |  | <u> </u>   |  |  |       | 86       |          | _  |              | <u> </u>   | L.   |  | _  | L            | L        |
|          | 37       |          | _        |   | _  |  | <u> </u>   |  | <u> </u>   |  |  |       | 87       |          |  |              | -  | ┡  | _  | ┡  | <u> </u>     | ⊢        |
| -        | 38       | Ш        | _        |   | _  |  | _  |  |  |  |  |       | 88       | _        | _  | ļ            | -  | _  | ├  | <u> </u>   | ├-           | ╀        |
| -        | 39       | $\vdash$ | _        |   | ├  | -  | -  |  | i  |  |  |       | 89       | -        | -  |              | H  | ┡  | ⊢  | <del> </del>                                     |              | ⊦        |
| $\vdash$ | 40       | $\vdash$ |          |   | ļ  | <u> </u>   | ⊢  | -  | -  | <u> </u>   |  |       | 90       | Н        | -  | <u> </u>     | <del>                                     </del> | <del> </del>                                     | -  | <del> </del>                                     | -            | ╁        |
| $\vdash$ | 41       | $\vdash$ | $\dashv$ |   | $\vdash$   | $\vdash$   | $\vdash$   | ├  | -  |  |  |       | 91<br>92 | $\vdash$ | <u> </u>   |              | -  | <del> </del>                                     |  | ├-   | $\vdash$     | $\vdash$ |
| $\vdash$ | 42<br>43 | $\vdash$ | _        |   | -  | -  | $\vdash$   |  | -  | -  |  |       | 93       | -        | <del>-</del>                                     |              | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$     | ╁        |
| $\vdash$ | 43       | ┝┤       |          |   | -  | ├-   | $\vdash$   | <del> </del>                                     | $\vdash$   | -  |  |       | 94       | $\vdash$ |  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | <del> </del> —                                   | $\vdash$     | ╁        |
| <b> </b> | 45       |          |          |   | $\vdash$   | $\vdash$   | $\vdash$   | ┢═   | <del>  -  </del>                                 | <del>                                     </del> |  |       | 95       | H        | -  | <del> </del> | -  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$     | +        |
|          | 45       | Н        | -        |   | ├-   | $\vdash$   | ├-   |  | $\vdash$   | $\vdash$   |  |       | 96       | $\vdash$ | -  | ⊢            | ╁  | ╁  | <del></del>                                      | $\vdash$   | $\vdash$     | t        |
| $\vdash$ | 47       | $\vdash$ |          |   | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | ├  |  |       | 97       | $\vdash$ | -  | -            | <del>  -</del>                                   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$     | t        |
| $\vdash$ | 48       | $\vdash$ | $\dashv$ | - | $\vdash$   | <del>                                     </del> | $\vdash$   |  | <del>                                     </del> | <del>                                     </del> |  |       | 98       | $\vdash$ | ┢  |              | $\vdash$   | $\vdash$   | H  | <del>                                     </del> | $\vdash$     | T        |
|          | 49       | $\vdash$ | -        |   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  | -     | 99       | $\vdash$ | ┝  | <del> </del> | $\vdash$   | $\vdash$   | H  | $\vdash$   | $\vdash$     | t        |
| $\vdash$ | 50       | Н        |          |   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   |  |       | 100      | $\vdash$ | <del>                                     </del> | $\vdash$     | Н  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$     | T        |

| Cla         | im                                     |  |  |  | - (      | Date   | 9        |              |  |  |
|-------------|--|--|--|--|----------|--|----------|--------------|--|--|
|             |  |  |  |  |          |  |          |              |  |  |
| ā           | Original                               |  |  |  |          |  |          |              |  |  |
| Finat       | .E                                     |  |  |  |          |  |          |              |  |  |
|             | 0                                      |  |  |  |          |  |          |              |  |  |
|             | 51                                     |  |  |  |          |  |          |              |  |  |
|             | 51<br>52                               |  |  |  |          |  |          |              |  |  |
|             | 53                                     |  | H  | $\vdash$   |          |  |          | _            |  | _  |
|             | 54                                     |  |  |  |          |  |          |              | $\vdash$   | _  |
|             | 53<br>54<br>55<br>56                   | _  |  |  | _        |  | $\vdash$ | -            |  |  |
|             | 56                                     | -  | -  | -  |          |  |          |              | $\vdash$   |  |
|             | 57                                     | _  |  |  |          | -  | -        |              | $\vdash$   | _  |
|             | 51                                     |  | -  |  |          | _  | -        |              | -  |  |
|             | 58<br>59                               |  | -  | _  |          |  | -        | _            | $\vdash$   |  |
|             | 59                                     |  | -  |  |          |  |          |              | $\vdash$   |  |
|             | 60                                     | _  |  |  |          | Н  |          |              | H  | _  |
| <u> </u>    | 61<br>62<br>63                         | ļ  | <u> </u>   | ļ  |          |  | $\vdash$ |              | $\vdash$   | _  |
| <u> </u>    | 62                                     | L_   | L_   | L.   |          | L  |          |              | $\vdash$   | _  |
| <u></u>     | 63                                     | <u> </u>   | <u> </u>   | L.   |          | $oxed{oxed}$                                     | ldash    |              | <u> </u>   | L  |
|             | 64<br>65                               | L  | <u> </u>   |  |          | oxdot  | oxdot    | Ш            | $oxed{oxed}$                                     |  |
|             | 65                                     | _  | _  |  |          |  |          |              |  |  |
|             | 66                                     |  | _  |  |          |  |          |              | _  |  |
|             | 67                                     |  | L  |  |          |  |          |              |  |  |
|             | 68                                     |  | L  |  |          |  |          |              |  |  |
|             | 66<br>67<br>68<br>69<br>70<br>71       |  |  |  |          |  |          |              |  |  |
|             | 70                                     |  |  |  |          |  |          |              |  |  |
|             | 71                                     |  |  |  |          |  |          |              |  |  |
|             | 72                                     |  |  |  |          |  |          |              |  |  |
|             | 72<br>73<br>74<br>75<br>76<br>77<br>78 |  |  |  |          |  |          |              |  |  |
|             | 74                                     |  |  |  |          |  |          |              |  |  |
|             | 75                                     |  |  |  |          |  |          |              |  |  |
|             | 76                                     |  |  |  |          |  |          |              |  |  |
|             | 77                                     |  |  |  |          |  |          |              |  |  |
|             | 78                                     |  |  |  |          |  |          |              |  |  |
|             | 79                                     |  |  |  |          |  |          |              |  |  |
|             | 80<br>81                               |  |  |  |          |  |          |              |  |  |
|             | 81                                     |  |  |  |          |  |          |              |  |  |
|             | 82                                     |  |  |  |          |  |          |              |  |  |
|             | 83                                     |  |  |  |          |  |          |              |  |  |
|             | 84                                     |  | Г  | ·  |          |  |          |              | Г  |  |
|             | 85                                     |  | Г  |  |          |  |          |              | Г  | $\Box$   |
|             | 86                                     | $\vdash$   | Г  | <u> </u>   |          |  |          |              |  | Г  |
|             | 87                                     | $\vdash$   | $\vdash$   | <del>                                     </del> |          | 1  |          |              |  | $\vdash$   |
|             | 88                                     |  | _  |  | -        | Н  | Н        | Н            | $\vdash$   | $\vdash$   |
|             | 89                                     | _  | $\vdash$   | -  |          |  |          |              |  | _  |
| <b></b>     | 90                                     |  | -  |  |          |  |          | -            |  |  |
|             | 91                                     |  | $\vdash$   |  |          | $\vdash$   | _        | _            | -  | _  |
| $\vdash$    | 92                                     | $\vdash$   | $\vdash$   |  |          | $\vdash$   |          | H            |  | H  |
| <u> </u>    | 93                                     | <del>                                     </del> | <del>                                     </del> |  |          | $\vdash$   |          |              |  | -  |
|             | 94                                     | $\vdash$   |  |  |          | $\vdash$   | $\vdash$ | $\vdash$     | <del>                                     </del> |  |
| <b>—</b>    | 95                                     | $\vdash$   | $\vdash$   | <del>                                     </del> | -        | <del>                                     </del> | <u> </u> |              | $\vdash$   |  |
|             | 96                                     | -  | <del>                                     </del> | $\vdash$   | $\vdash$ | <del>                                     </del> | i -      |              | $\vdash$   | -  |
| <del></del> | 97                                     | <del>                                     </del> | $\vdash$   | -  | $\vdash$ | <del>                                     </del> | $\vdash$ | $\vdash$     | -  | <del>                                     </del> |
| -           | 98                                     | $\vdash$   | <del>                                     </del> |  | $\vdash$ | <del>                                     </del> | $\vdash$ | <del> </del> | <del>                                     </del> |  |
| -           | 99                                     |  | ├一   | ├  | $\vdash$ | $\vdash$   | $\vdash$ |              | $\vdash$   | -  |
| -           | 100                                    |  | -  | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$ |              | $\vdash$   | $\vdash$   |

| Cli          | aim  |          |          |          | - [          | Date     | e        |          |  | $\neg$               |
|--------------|--|----------|----------|----------|--------------|----------|----------|----------|--|----------------------|
|              |  |          |          |          |              |          |          |          |  |                      |
| Final        | Original   |          |          |          |              |          |          |          |  |                      |
|              | 101  |          |          | _        |              |          |          |          |  | $\neg$               |
|              | 101<br>102<br>103  |          |          |          |              |          |          |          |  |                      |
|              | 103  |          |          |          |              |          |          |          |  |                      |
|              | 104  | _        |          | <u> </u> |              |          |          |          |  | Ш                    |
|              | 104<br>105<br>106  |          |          | ļ        |              |          | -        | _        |  | Щ                    |
| -            | 106  |          |          | _        |              |          |          |          |  | Н                    |
| <del> </del> | 107  |          |          |          | -            |          |          |          |  | -                    |
|              | 100  |          |          |          |              |          |          | $\vdash$ |  | $\vdash$             |
|              | 110  | _        |          |          |              |          |          | $\vdash$ |  | П                    |
| ·            | 111  |          |          |          |              |          |          |          |  |                      |
|              | 112  |          |          |          |              |          |          |          |  |                      |
|              | 113  |          |          |          |              | _        |          |          |  |                      |
|              | 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117  |          | _        |          |              | <u> </u> | L.       | <u> </u> |  | Ш                    |
|              | 115  |          | _        |          |              | _        |          | <u> </u> |  |                      |
| ļ            | 110  |          |          | <u> </u> |              | ┝        |          | -        |  | $\vdash$             |
| <u> </u>     | 118  | _        | -        |          |              | $\vdash$ |          | -        |  | Н                    |
|              | 119  |          | -        |          |              |          |          |          |  | H                    |
|              | 120  |          |          |          |              |          |          | H        |  | H                    |
|              | 121  |          |          |          |              |          |          |          |  | П                    |
|              | 122  |          |          |          |              |          |          |          |  |                      |
|              | 123  |          |          |          |              |          |          |          |  |                      |
|              | 124  |          |          |          |              |          |          |          |  | Ш                    |
|              | 125  |          |          | _        |              |          |          |          |  | Ш                    |
|              | 126  | _        |          | -        |              |          |          | -        |  | H                    |
|              | 127  |          |          | -        |              |          |          | -        |  | Н                    |
|              | 129  |          |          |          |              | -        |          |          |  | Н                    |
|              | 130  |          | _        |          |              | _        |          |          |  | П                    |
|              | 131  |          | -        |          |              |          |          |          |  | П                    |
|              | 132  |          |          |          |              |          |          |          |  |                      |
|              | 133  |          |          |          |              | L        |          |          |  |                      |
|              | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135 | L_       | <u> </u> | <u> </u> | _            | _        | ļ        | _        | _  | Ш                    |
| ļ            | 135  |          |          | <u> </u> | <u> </u>     | _        | $\vdash$ | L        | <u> </u>   | i                    |
| <u> </u>     | 135  |          | -        | ļ        | _            | $\vdash$ | $\vdash$ | -        |  | -                    |
|              | 137<br>138   |          | -        |          | $\vdash$     | $\vdash$ | $\vdash$ | -        | -  |                      |
| <b></b>      | 139  | _        | H        |          | $\vdash$     | $\vdash$ | -        | $\vdash$ | -  | $\vdash \vdash$      |
| <b>-</b>     | 139  |          |          |          |              | $\vdash$ | -        |          |  | $\Box$               |
|              | 141  |          |          |          |              |          |          |          |  |                      |
|              | 142  |          |          |          |              |          |          |          |  | ·                    |
| ļ            | 143  |          |          |          |              | _        | _        | L        | _  |                      |
| <u> </u>     | 144  | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u> |  | Щ                    |
|              | 145  | ├-       |          | ⊢        | <u> </u>     | <u> </u> | _        | _        |  | <b> </b>             |
| <u> </u>     | 146<br>147   | ├-       | _        | ┝        | <del> </del> | -        |          | $\vdash$ |  |                      |
| <del> </del> | 148  | ├        |          | $\vdash$ | ├-           | -        | ├        | $\vdash$ | $\vdash$   | $\vdash \vdash \mid$ |
| <del> </del> | 149  | $\vdash$ |          | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | -        | Н  | H                    |
| <b></b>      | 150  | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ |          | $\vdash$ | <del>                                     </del> | H                    |
| L.           |  |          |          |          |              | 1        | Ц        | Ь        |  | ى                    |